

CLAIMS

1. A multiple liquid active substance dispenser for a W.C. bowl, to be housed within the W.C. bowl, comprising

at least two bottles (11) having separate internal chambers, each for
5 containing an active substance (R) in the liquid state and having an exit mouth (12) for the active substance (R), and

a support means (20) for supporting said bottles (11) in an inverted position, with their mouth (12) facing downwards, in a position subjected to the action of the flushing water flow, said bottles (11) being separate
10 from the support means (20),

characterised in that

the support means (20) comprises:

for containing the active substance at least two reservoirs (21) located in a position subjected to the action of the flushing water flow and arranged to
15 receive the mouth (12) of the bottle,

a like number of closure members (30), each positioned in said containing reservoir (21) to each close the mouth (12) of the respective bottle (11);

for the active substance at least one passage means (35, 36) associated with each closure member (30) to enable the active substance to pass
20 from the internal chamber of the bottle (11) to the containing reservoir (21),

each containing reservoir (21) having a side wall (21b) defining a volume

for containing a quantity of active substance which closes said passage means (35, 36) for the active substance, the side walls (21b) of the reservoirs being joined together by a common corridor (29) which connects them together.

- 5 2. A dispenser as claimed in claim 1, characterised in that said common corridor (29) is bounded by two side walls (29b) having the same height as the walls (21b), and has a width much smaller than the plan diameter of the reservoirs (21).
3. A dispenser as claimed in claim 1, characterised in that said
10 containing reservoirs (21) have an upwardly facing concavity located in the zone subjected to the water flow, to contain a determined level of liquid, and to contain the exit mouth (12) of the respective bottle with its lower passage cross-section (P1) positioned below the maximum level (L1) of the liquid present in the reservoir (21).
- 15 4. A dispenser as claimed in claim 1, characterised by comprising, for each bottle, at least one ventilation passage means (31 and 32) which, when in use, connects the internal chamber of the bottle (11) to the atmospheric air.
5. A dispenser as claimed in claim 1, characterised in that the
20 geometrical characteristics of the ventilation passage means (31, 32) are in relation to the physical-chemical characteristics of the active substance so as to achieve a gauged passage of air into the interior of the bottle (11) such that the active substance does not normally leave the bottle (11), at least not to a relevant extent, whereas it leaves the bottle (11) to a gauged

extent when the flushing flow strikes the containing reservoir (21).

6. A dispenser as claimed in claim 3, characterised in that said closure member (30) is in the form of an upwardly facing tube piece closed lowerly, and having an upper end which projects upwards beyond the exit
5 mouth (12) of the bottle associated with the support means (20), the exit mouth (12) being in such geometrical relationship with said member (30) as to sealedly embraces its lateral surface.

7. A dispenser as claimed in claim 1, characterised in that said containing reservoir (21) comprises at least one drainage aperture (41)
10 having a passage opening sized such as to enable water to pass but to prevent passage of the active substance.